

1 **WHAT IS CLAIMED IS:**

2 1. A method for manufacturing a golf club head, the method comprising
3 the following steps:

4 a. integrally forming the body comprising a base and a face of metal in a
5 casting molding process and forming a tubular neck of metal on the body by a
6 forging process such that a cavity is defined between the base and the face;

7 b. spraying aluminum oxide sand onto an inner surface of the cavity and
8 an outer edge around the cavity to increase a surface roughness of the body;

9 c. attaching a cover formed from multiple carbon-fiber layers to the body
10 to cover the cavity; and

11 d. attaching the cover to the body in a hot-pressing mold process such
12 that a golf club head with a carbon-fiber cover is made.

13 2. The method for manufacturing a golf club head as claimed in claim 1
14 further comprising a step of a thermal treatment to the body after the body is
15 formed.

16 3. The method for manufacturing a golf club head as claimed in claim 2
17 further comprising a step of grinding the body after the thermal treatment
18 process to form the body to a desired shape and size.

19 4. The method for manufacturing a golf club head as claimed in claim 1,
20 wherein at least one bore is defined in the cover to receive a weighted plug.

21 5. The method for manufacturing a golf club head as claimed in claim 1,
22 wherein a countersunk through hole is defined in the base after the body is
23 formed;

24 the through hole is tapped; and

1 a plug with a threaded shaft is screwed into the threaded hole.

2 6. The method for manufacturing a golf club head as claimed in claim 5,
3 wherein an air bag is inserted into the body with the cover through the threaded
4 hole before the hot-pressing mold process is processed;

5 the air bag is inflated and expands to press against the inner surface of
6 the cover and the body during the hot-pressing mold process to form the cover
7 into a desired shape;

8 the air bag is taken out of the body after the cover has hardened; and
9 the threaded plug is screwed into the threaded hole in the base.

10 7. The method for manufacturing a golf club head as claimed in claim 1
11 further comprising a step of fine grinding to increase the smooth of a surface of
12 the golf club head.

13 8. The method for manufacturing a golf club head as claimed in claim 7
14 further comprising a step of applying a lacquer coating to an outer surface of the
15 gold club head to provide a protective coating on the golf club head.

16 9. The method for manufacturing a golf club head as claimed in claim 1,
17 wherein a lip is formed on an edge of the body to connect to the cover.